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New isolated polynucleotide encoding a scorpion toxin for treating epilepsy, degenerative disorders such as Huntington's disease, and neuronal death following stroke, and for creating plants that are insect-
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P-PSDB; AAB20077.
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Listing first 45 summaries
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insecticidal toxin of Orthochirus scrobiculosus. The toxin insecticidal toxin of Orthochirus scrobiculosus. The clone was isolated from a scorpion (Buthouts judalcus) telson cDNA library. The invention of provides isolated nucleic acid sequences (see AAAB9186-400) encoding scorpion toxins (see AAB20064-78) that are sodium channel modifiers. The twention also relates to the construction of a chimeric gene encoding all or part of the sodium channel modifier, in sense or antisense or invention, where expression of the chimeric gene results in production of altered levels of the sodium channel modifier; in a transformed host cell. Sodium channel modifier, in a transformed host cell. Sodium channel modifiers and a transformed host cell. Sodium channel modifiers and a transformed host involving abnormal functioning of excitory amino acid synapses, e.g. Genetically engineered recombinant baculoviruses which express protein toxins capable of incapacitating an insect host can be used as biological insecticides. The nucleic acids can be used to create transgenic plants in which sodium channel agonists of the invention are expressed for improved insect tolerance. (Updated on 11-SEP-2003 to standardise OS field)
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                   present sequence is that of a portion of the cDNA insert in clone
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iive 0; Mismatcheg 43; Indels C
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The present sequence is that of a portion of the cDNA insert in clone consists. The present sequence is that of a protein showing 29.6% identity to an insecticidal toxin of Orthochirus scrobleulosus. The clone was isolated from a scorpion (Buthotus judaicus) telson cDNA library. The invention construction also relates to the construction of a chimeric gene encoding a corpion toxins (see AAB20064-78) that are sodium channel modifiers. The invention also relates to the construction of a chimeric gene encoding all or part of the sodium channel modifier, in sense or antisense confinentation, where expression of the chimeric gene results in production of altered levels of the sodium channel modifier; in a transformed host cell. Sodium channel modifiers and a transformed host cell. Sodium channel modifiers and a transformed host convolving abnormal functioning of excitory amino acid synapses, e.g. epilepsy, Huntington's disease and neuronal death following stroke. Complete and provided acide can be used to create transgenic plants in which sodium channel agonists of the invention are expressed for the in which sodium channel agonists of the invention are expressed for the construction are expressed for the sodium channel agonists of the invention are expressed for the construction are expressed for the co
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New isolated polynucleotide encoding a scorpion toxin for treating epilepsy, degenerative disorders such as Huntington's disease, and neuronal death following stroke, and for creating plants that are insect-
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